

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/603,094A
Source: 1Fw16
Date Processed by STIC: 3/22/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 03/22/2007

PATENT APPLICATION: US/10/603,094A

TIME: 15:21:50

Input Set : A:\1954-410.txt

Output Set: N:\CRF4\03222007\J603094A.raw

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3 <110> APPLICANT: Diamond, Don J.
5 <120> TITLE OF INVENTION: ADJUVANT-FREE PEPTIDE VACCINE
7 <130> FILE REFERENCE: 1954-410
9 <140> CURRENT APPLICATION NUMBER: US 10/603,094A
10 <141> CURRENT FILING DATE: 2003-06-25
12 <150> PRIOR APPLICATION NUMBER: US 60/391,088
13 <151> PRIOR FILING DATE: 2002-06-25
15 <160> NUMBER OF SEQ ID NOS: 22
17 <170> SOFTWARE: PatentIn version 3.4
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 9
21 <212> TYPE: PRT
22 <213> ORGANISM: Human cytomegalovirus
24 <400> SEQUENCE: 1
26 Asn Leu Val Pro Met Val Ala Thr Val
27 1 5
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 13
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial
35 <220> FEATURE:
36 <223> OTHER INFORMATION: PADRE epitope
39 <220> FEATURE:
40 <221> NAME/KEY: MISC_FEATURE
41 <222> LOCATION: (3)..(3)
42 <223> OTHER INFORMATION: Xaa= cyclohexylalanine
44 <400> SEQUENCE: 2
W--> 46 Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
47 1 5 10
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 13
52 <212> TYPE: PRT
53 <213> ORGANISM: Tetanus
55 <400> SEQUENCE: 3
57 Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
58 1 5 10
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 14
63 <212> TYPE: PRT
64 <213> ORGANISM: Tetanus
66 <400> SEQUENCE: 4
68 Val Ser Thr Ile Val Pro Tyr Ile Gly Pro Ala Leu Asn Ile
69 1 5 10

```

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72 <210> SEQ ID NO: 5
73 <211> LENGTH: 25
74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: K25V peptide
81 <220> FEATURE:
82 <221> NAME/KEY: MISC_FEATURE
83 <222> LOCATION: (6)..(6)
84 <223> OTHER INFORMATION: Xaa= cyclohexylalanine
86 <400> SEQUENCE: 5
W--> 88 Lys Ser Ser Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala Ala Ala
89 1 5 10 15
92 Asn Leu Val Pro Met Val Ala Thr Val
93 20 25
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 28
98 <212> TYPE: PRT
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: KTet830V fusion peptide
104 <400> SEQUENCE: 6
106 Lys Ser Ser Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
107 1 5 10 15
110 Ala Ala Ala Asn Leu Val Pro Met Val Ala Thr Val
111 20 25
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 26
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Ktet639V fusion peptide
122 <400> SEQUENCE: 7
124 Val Ser Thr Ile Val Pro Tyr Ile Gly Pro Ala Leu Asn Ile Ala Ala
125 1 5 10 15
128 Ala Asn Leu Val Pro Met Val Ala Thr Val
129 20 25
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: DNA Adjuvant
140 <400> SEQUENCE: 8
141 tccatgacgt tcctgacgtt
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 23
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence

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149 <220> FEATURE:
150 <223> OTHER INFORMATION: DNA Adjuvant
152 <400> SEQUENCE: 9
153 tcgtcggtttt gtcgttttgt cgt 23
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 19
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: DNA Adjuvant
164 <400> SEQUENCE: 10
165 gggggacgat cgtcggggg 19
168 <210> SEQ ID NO: 11
169 <211> LENGTH: 41
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: PCR Primer
176 <400> SEQUENCE: 11
177 cagtcagcta gcgtttaaac atgcagatct tcgtgaagac c 41
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 47
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: PCR Primer
188 <400> SEQUENCE: 12
189 ggacaacggc gaccgcgcga ctccctaccc cccctcaagc gcaggac 47
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 47
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: PCR Primer
200 <400> SEQUENCE: 13
201 gtcctgcgct tgagggggggg tagggagtcg cgcggtcgcc gttgtcc 47
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 34
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: PCR Primer
212 <400> SEQUENCE: 14
213 ccgggtacct caacctcggt gctttttggg cgtc 34
216 <210> SEQ ID NO: 15
217 <211> LENGTH: 12
218 <212> TYPE: PRT
219 <213> ORGANISM: Human cytomegalovirus
221 <400> SEQUENCE: 15

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RAW SEQUENCE LISTING

DATE: 03/22/2007

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```

223 Ser Val Leu Gly Pro Ile Ser Gly His Val Leu Lys
224 1          5          10
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 11
229 <212> TYPE: PRT
230 <213> ORGANISM: Human cytomegalovirus
232 <400> SEQUENCE: 16
234 Phe Val Phe Pro Thr Lys Asp Val Ala Leu Arg
235 1          5          10
238 <210> SEQ ID NO: 17
239 <211> LENGTH: 8
240 <212> TYPE: PRT
241 <213> ORGANISM: Human cytomegalovirus
243 <400> SEQUENCE: 17
245 Phe Pro Thr Lys Asp Val Ala Leu
246 1          5
249 <210> SEQ ID NO: 18
250 <211> LENGTH: 11
251 <212> TYPE: PRT
252 <213> ORGANISM: Human cytomegalovirus
254 <400> SEQUENCE: 18
256 Arg Pro His Glu Arg Asn Gly Phe Thr Val Leu
257 1          5          10
260 <210> SEQ ID NO: 19
261 <211> LENGTH: 11
262 <212> TYPE: PRT
263 <213> ORGANISM: Human cytomegalovirus
265 <400> SEQUENCE: 19
267 Tyr Ser Glu His Pro Thr Phe Thr Ser Gln Tyr
268 1          5          10
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 11
273 <212> TYPE: PRT
274 <213> ORGANISM: Human cytomegalovirus
276 <400> SEQUENCE: 20
278 Phe Thr Ser Gln Tyr Arg Ile Gln Gly Lys Leu
279 1          5          10
282 <210> SEQ ID NO: 21
283 <211> LENGTH: 13
284 <212> TYPE: PRT
285 <213> ORGANISM: Human cytomegalovirus
287 <400> SEQUENCE: 21
289 Pro Thr Phe Thr Ser Gln Tyr Arg Ile Gln Gly Lys Leu
290 1          5          10
293 <210> SEQ ID NO: 22
294 <211> LENGTH: 10
295 <212> TYPE: PRT
296 <213> ORGANISM: Human cytomegalovirus
298 <400> SEQUENCE: 22

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RAW SEQUENCE LISTING

DATE: 03/22/2007

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TIME: 15:21:51

Input Set : A:\1954-410.txt

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300 Thr Pro Arg Val Thr Gly Gly Gly Ala Met
301 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/22/2007
PATENT APPLICATION: US/10/603,094A TIME: 15:21:52

Input Set : A:\1954-410.txt
Output Set: N:\CRF4\03222007\J603094A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3

Seq#:5; Xaa Pos. 6

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2

VERIFICATION SUMMARY

DATE: 03/22/2007

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Input Set : A:\1954-410.txt

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L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0